

Program of Study Fareer Field: Industrial, Manufacturing and Engineering Systems Career Cluster: Manufacturing

Career Pathway: Maintenance, Installation, and Repair



Northeast Community College

DEGREE:

Electromechanical Technology

http://www.northeast.edu/Degrees-and-Programs/Electromechanical-Technology

	GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	GENERAL ELECTIVES		PATHWAY ELECTIVE COURSES		EXTENDED LEARNING SCHOOL/COMMUNITY ACTIVITIES	
	9	English/Language Arts I	Algebra I	Physical Science	Geography	World Languages and Cultures Physical Education Health Education Information Technology Applications I		Intro to the Built Environment The Language of Architecture and		School Activities: SkillsUSA, OPPD/NPPD Power Drive,	
SCHOOL	10	English/Language Arts II	Geometry	Biology	World History					FFA, Math Club, MATHCOUNTS Community Activities:	
HIGH S	11	English/Language Arts III	Algebra II	Chemistry or other science course	American History	Entrepreneurship CAD (Computer A Principles of Des Principles of Con	Aided Drafting) ign	Construction Principles of Maintenance and Operations		Do home repair projects Learn about history of the buildings in your community Work with a contractor	
	12	English/Language Arts IV	Intro to Statistics Descrete Math Pre-Calc	Physics	American Government or Economcis	Housing and Home Furnishings				Part-time employment within career cluster	
TY COLLEGE		COMMUNICATIONS	MATH	SCIENCE	SOCIAL SCI/ HUMANITIES	DEGREE REQUIREMENTS	MAJOR COURSES				
	13		Applied Mathematics I		Personal Finance		Fundamentals of Electricity and Lab	Orientation & Safety	Introduction to Machining, Welding and Lab	Automation Fundamentals	Mechanical Matter & Energy
COMMUNITY			Applied Mathematics				Motor Controls and Lab	Introduction to Mechanics and Lab	Total Quality Management	Job Search and Employment	Cooperative Internship I
NORTHEAST C	14	Career Composition			Human Relations		Introduction to Automated Controls and Lab	Motor Repair and Lab	Fluid Fundamentals and Lab	Machine Repair and Lab	Control Systems and Lab
NORT							Solid State Fundamentals	Electromechanical Systems and Lab			